Index of Claims

| App | licatio | n/Con | trol | No. |
|-----|---------|-------|------|-----|
|-----|---------|-------|------|-----|

09/788,420

Examiner

George Y. Wang

Applicant(s)/Patent under Reexamination

KWON ET AL.

Art Unit

2871

| 1  | Rejected |
|----|----------|
| 11 | Allowed  |

(Through numeral)
Cancelled

Restricted

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla             | aim      |          |          |          |          | Dat      | е            |               |  |          |          | Claim Date |          |  |          |          |          |          |                    |          | 7        | CI | aim          | Date       |          |                 |              |          |  |  |          |           |          |
|-----------------|----------|----------|----------|----------|----------|----------|--------------|---------------|--|----------|----------|------------|----------|--|----------|----------|----------|----------|--------------------|----------|----------|----|--------------|------------|----------|-----------------|--------------|----------|--|--|----------|-----------|----------|
| Final           | Original | 6/2/03   | 7/16/03  | 12/24/03 | 6/8/04   | 12/20/04 | 7/10/05      |               |  |          |          | Finat      | Original |  |          |          |          |          |                    |          |          |    | Finat        | Original   |          |                 |              |          |  |  |          |           |          |
| -               | 1        | +        | ✓        | 1        | 1        | 1        | √            |               | $\vdash$   |          | Ì        |            | 51       |  | Н        |          | 7        | 7        | $\dashv$           | 十        | $\top$   | 1  |              | 101        | $\vdash$ |                 | -            | ┢╌       |  | -  |          | H         | Н        |
|                 | 2        | +        | V        | V        | V        | V        | V            |               | 1  | П        | Ì        |            | 52       | <del>                                     </del> |          |          |          | _ 1      | +                  | 十        |          | 1  | $\vdash$     | 102        | t        | H               | $\vdash$     | ┢        |  | <del>                                     </del> | Н        | П         | П        |
|                 | 3        | +        | V        | V        | 1        | 1        | 1            |               | 1  |          | Ī        |            | 53       |  |          |          | 7        |          | $\top$             | $\top$   | $\neg$   | 1  |              | 103        | ✝        |                 | _            | T        | <del>                                     </del> | _  | $\vdash$ | П         | П        |
|                 | 4        | +        | ✓        | <b>√</b> | V        | 1        | ✓            |               | Г  | П        | Ì        |            | 54       |  |          |          | T        |          | T                  | 十        |          | 1  |              | 104        | <u> </u> | Ħ               | <b>-</b>     | _        |  |  |          | $\vdash$  | П        |
|                 | 5        | +        | √        | V        | ✓        | √        | ✓            | Π             | T  | П        |          |            | 55       |  |          |          | T        |          |                    | 1        |          | 1  |              | 105        | T        |                 |              | $\vdash$ |  |  |          | П         | П        |
|                 | 6        | +        | √        | >        | √        | √        | √            |               |  |          | Ī        |            | 56       |  | П        |          | 1        | 丁        |                    |          |          | 1  |              | 106        | T        | Г               |              |          |  |  |          | П         | П        |
|                 | 7        | +        | √        | <b>\</b> | √        | √        | ✓            |               |  |          |          |            | 57       |  |          |          |          |          |                    |          |          | ]  |              | 107        |          |                 |              |          |  |  |          |           | П        |
|                 | 8        | +        | √        | ✓        | ✓        | √        | ✓            |               | <u> </u>   |          |          |            | 58       |  |          |          |          |          |                    |          |          | ]  |              | 108        |          |                 |              | I        |  |  |          |           | П        |
| <u> </u>        | 9        | +        | ✓        | ✓        | ✓        | ✓        | ✓            | _             | L.   | Ш        | L        |            | 59       | L  |          |          |          |          | $\perp$            |          | $\perp$  | _  |              | 109        |          |                 |              |          |  |  |          |           |          |
| <u> </u>        | 10       | +        | ✓        | ✓        | ✓        | -        | <u> -</u>    | L             | L  | Ш        | _        |            | 60       | L  | Ц        |          | _        | _        | 4                  |          |          | _  |              | 110        |          | Ш               | L            | _        |  |  |          | $\Box$    |          |
|                 | 11       | +        | N        | N        | N        | N        | N            | _             | ┺  | Ш        |          |            | 61       | L  | Щ        |          | 4        | _        | _                  | 4        |          | Į  |              | 111        | _        | Ш               | L.           |          | L  |  |          | لـــــا   | Ш        |
|                 | 12       | +        | N        | N        | N        | N        | N            | _             | ⊢  |          | -        |            | 62       |  |          |          | $\dashv$ | _        | $\perp$            | $\dashv$ | _        | -  |              | 112        | L.       | Ш               | L_           | <u> </u> |  |  |          | Ш         | Ш        |
| -               | 13<br>14 | +        | N        | N        | N        | N        | N            | <u> </u>      | ┢  | Н        | ⊢        |            | 63       | -  |          |          | $\dashv$ | -        | +                  | -        | -        | -  |              | 113        | <u> </u> |                 | <u> </u>     | <u> </u> | <u> </u>   | _  | $\sqcup$ | $\square$ | Н        |
| -               | 15       | +        | Z        | zz       | N<br>N   | N<br>N   | N            | -             | ├  | Н        | ┝        |            | 64<br>65 | -  | -        |          | $\dashv$ |          | +                  | +        | +        | -  |              | 114        | ├-       | Н               | ├-           |          | <u> </u>   | _  | Н        | Ш         | Н        |
| -               | 16       | +        | N        | Z        | N        | N        | N            | $\vdash$      | ┝  | Н        | ┝        |            | 66       | $\vdash$   |          | $\dashv$ | -        | $\dashv$ | -                  | +        | +        | -  | -            | 115        | ⊢        | <u> </u>        | <del> </del> |          |  | _  | $\vdash$ | Щ         | Н        |
| $\vdash$        | 17       | +        | Z        | Z        | N        | N        | N            | ├             | ┢  | Н        | H        |            | 67       | $\vdash$   | $\dashv$ | $\dashv$ |          | $\dashv$ | +                  | $\dashv$ | +        | 1  |              | 116<br>117 | -        | -               | $\vdash$     | -        | H  | -  | $\dashv$ | $\vdash$  | Н        |
| <u> </u>        | 18       | +        | Z        | Z        | N        | N        | N            | ┢             | ╁╌   | Н        | ┢        |            | 68       | H  | Н        | $\dashv$ |          | $\dashv$ | $\dashv$           | +        | +        | 1  |              | 118        | ├        | H               | -            | _        |  | -  | $\vdash$ | $\vdash$  |          |
| -               | 19       | +        | Z        | z        | N        | N        | N            | -             | ╁  | Н        | H        |            | 69       | -  | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | -+                 | +        | +        | ┨  | <u> </u>     | 119        | ├        | Н               | ┝            | -        | _  |  |          | $\vdash$  | Н        |
| -               | 20       | +        | N        | N        | N        | N        | N            | $\vdash$      | <del>                                     </del> | Н        | F        |            | 70       |  |          | Ŧ        | -+       | $\dashv$ | ╅                  | +        | ┼-       | 1  |              | 120        | ┢        | Н               | $\vdash$     |          | _  | -  | $\vdash$ | Н         | -        |
|                 | 21       | +        | N        | N        | N        | N        | N            | -             | $\vdash$   | Н        | ŀ        |            | 71       |  |          | -        | ┪        | 一        | $\dashv$           | +        | $\dashv$ | ┨  | -            | 121        | $\vdash$ | Н               | _            | $\vdash$ | _  | $\vdash$   | $\dashv$ | $\dashv$  | $\dashv$ |
|                 | 22       | +        | N        | Ν        | N        | N        | N            |               | 一  | H        | ŀ        |            | 72       |  |          | $\neg$   | $\dashv$ | 寸        | $\dashv$           | $\top$   | 十        | 1  | <b>—</b>     | 122        | ┢        | Н               | $\vdash$     | $\vdash$ |  | $\vdash$   | -        | $\dashv$  | $\dashv$ |
|                 | 23       | +        | Ν        | Ν        | Ν        | N        | z            |               | T  | П        | j        |            | 73       |  |          | $\neg$   |          | 一        | _                  | $\top$   | +        | 1  |              | 123        | ┢        | $\vdash$        | $\vdash$     | -        |  | Н  | $\dashv$ | $\dashv$  | $\dashv$ |
|                 | 24       | +        | Z        | Z        | Ν        | N        | N            |               | Ī  |          |          |            | 74       |  |          | $\neg$   |          | T        | T                  | $\top$   | ┪        | 1  |              | 124        |          | П               |              |          |  |  | $\dashv$ | $\neg$    | П        |
|                 | 25       | +        | Ν        | N        | Z        | N        | Ν            |               |  |          |          |            | 75       |  |          | コ        |          |          | T                  | T        | ┪        | 1  |              | 125        | Г        | П               |              |          |  | П  |          | $\Box$    |          |
|                 | 26       | +        | N        | N        | Ν        | Ν        | Ν            |               | L  |          |          |            | 76       |  |          |          |          |          |                    | T        |          | ]  |              | 126        |          | П               |              |          |  | П  |          |           |          |
|                 | 27       |          |          |          |          |          | $oxed{oxed}$ |               | L  |          |          |            | 77       |  |          |          |          |          |                    |          |          | ]  |              | 127        |          |                 |              |          |  |  |          |           |          |
|                 | 28       |          |          |          |          |          |              |               | L_   |          | L        |            | 78       | Ш  |          | _        |          | _        | _                  | 4        |          | Ţ  | L            | 128        |          | Ш               |              |          |  |  |          |           |          |
| <u> </u>        | 29       |          |          | _        |          | ļ        | _            | _             | <u> </u>   | Ш        |          |            | 79       |  |          | 4        |          | _        | 4                  |          |          |    |              | 129        |          | Ш               |              |          |  |  |          |           |          |
| -               | 30       |          | -        |          |          | _        |              |               |  |          | -  -     |            | 80       |  |          | _        | _        | _        | +                  | -        |          | 1  |              | 130        |          | _ ::            |              | . >      |  | . :  | - 1      |           |          |
| <u> </u>        | 31<br>32 |          |          | _        | _        | _        |              |               | ⊢-   | Н        | -        | -          | 81       | Ш  | $\dashv$ | $\dashv$ | _        | -        | +                  | +        | _        | -  |              | 131        | _        | $\sqcup$        |              |          |  | Ш  | _        | ᆈ         | _        |
| <u> </u>        | 33       | -        | -        |          | ш        |          |              |               | ├  | Н        | ⊢        |            | 82<br>83 | $\vdash$   |          |          | $\dashv$ | -+       | +                  | +        | -        | -  |              | 132        | <u> </u> | $\vdash$        | _            | _        |  | Щ  |          |           | _        |
|                 | 34       |          | $\dashv$ |          |          | -        |              | _             | -  | $\vdash$ | H        | _          | 84       |  | $\dashv$ | $\dashv$ | -        | $\dashv$ | +                  | -        | ┿        | -  |              | 133        | <u> </u> | $\vdash$        |              |          |  |  |          | ႕         | $\dashv$ |
|                 | 35       | -        | $\equiv$ | $\dashv$ |          | -        | _            | _             | ┢  | Н        | -        | -          | 85       |  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +                  | +        | -        | -  |              | 134<br>135 | _        | $\vdash$        |              | _        |  |  | $\dashv$ | -         | ႕        |
| $\vdash$        | 36       | -        |          | $\dashv$ |          |          |              | _             | ┢  | Н        | <b>-</b> |            | 86       |  | $\dashv$ | $\dashv$ | ᆉ        | $\dashv$ | +                  | +        | +        | ┨  | <u> </u>     | 136        | H        | $\vdash$        |              | _        |  |  |          |           | $\dashv$ |
|                 | 37       | _        | $\dashv$ | $\dashv$ | $\dashv$ | -        | H            | _             | 一  | H        | 卜        | _          | 87       | $\vdash$   | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +                  | +        | +        | 1  | $\vdash$     | 137        | $\vdash$ | $\vdash$        |              | H        | -  | $\vdash \vdash$                                  | $\dashv$ | $\dashv$  | $\dashv$ |
|                 | 38       | -        | $\dashv$ | $\dashv$ | $\vdash$ |          | $\vdash$     |               | $\vdash$   | Н        |          |            | 88       |  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$           | +        | +        | 1  | ├            | 138        | $\vdash$ | $\vdash \dashv$ |              | Н        | $\vdash$   | Н  | $\dashv$ | $\dashv$  | $\dashv$ |
|                 | 39       |          |          |          |          |          |              | $\overline{}$ | $I^-$  | П        |          |            | 89       |  | _        | 1        | $\dashv$ | $\dashv$ | 十                  | +        | +        | 1  | $\vdash$     | 139        | <u> </u> | $\vdash \vdash$ | $\vdash$     |          | $\vdash$   | Н  | $\dashv$ | $\dashv$  | $\dashv$ |
|                 | 40       |          |          |          |          |          |              |               |  | П        |          |            | 90       |  | $\dashv$ | _        |          | +        | 十                  | 寸        | 1        | 1  |              | 140        |          | $\vdash$        |              |          | $\vdash$   | H  | $\dashv$ |           | $\dashv$ |
|                 | 41       |          |          |          |          |          |              |               |  |          |          |            | 91       |  |          |          | $\neg$   | 1        | $\top$             | 十        | $\top$   | 1  |              | 141        | П        | H               |              | -        | $\vdash$   | H  | $\dashv$ | 一         | $\dashv$ |
| $\Box$          | 42       |          |          |          |          |          |              |               |  |          |          |            | 92       |  |          |          |          |          |                    | _        |          | ]  |              | 142        |          | $\Box$          |              |          |  | П  | _        | $\dashv$  | $\dashv$ |
| $\Box$          | 43       |          |          |          |          |          |              |               | oxdot  |          |          |            | 93       |  |          | $\Box$   |          | $\Box$   | floor              | I        |          |    |              | 143        |          |                 |              |          |  |  |          | $\Box$    | コ        |
| $oxed{oxed}$    | 44       | _        | ļ        | _        | _]       | Ш        |              |               | <u> </u>   |          | Ĺ        | $\Box$     | 94       | ]  |          | $\Box$   | $\Box$   | $\Box$   | $oldsymbol{\perp}$ | $\perp$  |          | ]  |              | 144        |          |                 |              |          |  |  |          |           | $\Box$   |
| $\sqcup$        | 45       | _        |          | _        |          |          |              |               | L  | Щ        | L        |            | 95       |  | $\Box$   |          | $\perp$  | $\perp$  | $\perp$            | $\bot$   |          |    |              | 145        |          |                 |              |          |  |  |          |           |          |
| oxdot           | 46       |          | _        | _        |          |          | _            |               | <u> </u>   | Ш        | L        |            | 96       |  | $\dashv$ |          | $\perp$  | $\dashv$ |                    | $\perp$  | ┷        |    | $oxed{oxed}$ | 146        | Ш        | Ш               |              |          |  |  |          | $\Box$    |          |
| $\vdash \vdash$ | 47       | _        | _        |          | _        | Щ        |              |               | _  | Щ        | -        |            | 97       | _  | $\dashv$ |          | _        | $\bot$   | $\perp$            | 4        | 4        |    | igsquare     | 147        | Ш        | Ш               | _]           |          |  | $\Box$   |          | $\Box$    |          |
| $\vdash$        | 48       |          |          |          |          |          |              | _             | H  | $\Box$   | -        |            | 98       | 4  |          |          | +        |          |                    | +        | -        |    |              | 148        |          |                 | _            |          |  | Ц  |          | $\dashv$  | _        |
| $\vdash$        | 49<br>50 | $\dashv$ |          |          |          | $\dashv$ |              | -             | $\vdash$   | $\dashv$ | <br> -   |            | 99       |  | $\dashv$ |          | -        | $\dashv$ | +                  | +        | -        |    |              | 149        | Щ        | $\sqcup$        | _            | _        | _  |  | _        | $\dashv$  | $\dashv$ |
| <b>L</b>        | 30       |          |          | 1        |          |          |              | نـــــ        |  | Ш        | L        |            | 100      |  |          | _1       | _L       | $\perp$  |                    | 丄        | Ц        | J  | لــــا       | 150        |          |                 |              |          |  |  |          | ᆚ         | $\Box$   |